

ABSTRACT

COEXTRUSION BINDER, ITS USE FOR A MULTILAYER STRUCTURE
AND THE STRUCTURE THUS OBTAINED

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The present invention relates to a coextrusion binder comprising:

- 5 to 30 parts of a polymer (A), itself comprising a blend of a polyethylene (A1) of relative density between 0.910 and 0.940 and of a polymer (A2) chosen from elastomers, very low-density polyethylenes and metallocene polyethylenes, the (A1) + (A2) blend being cografted with an unsaturated carboxylic acid;
- 95 to 70 parts of a polyethylene (B) of relative density between 0.910 and 0.930;
- the blend of (A) and (B) being such that:
 - . its relative density is between 0.910 and 0.930,
 - . the content of grafted unsaturated carboxylic acid is between 30 and 10,000 ppm,
 - . the MFI (ASTM D 1238; 190°C/2.16 kg) is between 0.1 and 3 g/10 min., MFI standing for the melt flow index.

This binder is particularly useful for petrol tanks of structure: HDPE/binder/EVOH or PA/binder/HDPE.